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FIGURES

FIG. 1a

-2483 CCTCATGGAGTATTCTCATAACTCTCTTCAGTA
 -2400 TGAATGAAATCATACAAATAGAACGGAGCGAGGAATAGAGTTGCGGCTGAACTAGACAGTACGACAAACATAGGGACCCATAAGG
 -2320 GAAAGGCGACTTCAGBCTCTTATGCCBTAGGCGCTGCAGCGAGCTAACGCGATAACGCGAGCTGGCGAGGGCGATTTACGCG
 -2240 CGCGCGCTGGTCAGTCAGGGCGCTCGACTCGACTTTAGAGAAACTAGGGTTGAAAGGCGATGATCTTCTTCAGTTTTC
 -2160 TTACAGAGAAATCATTCACTTCACTTCAACAGATTTCAGACATTGAGTCAGTACCTTAAACCGGGCTACTTCAGTTAGGCGGCTGAGG
 -2080 ATTTTAAGAAAAGCTTCAGCTGGCGCGAGGCGCTTCAGACATCTTCTTCAGTCAAGTGAAGGCTTTCTCAAG
 -2000 TAAAGGTTTTGAGAGAGCTTATATCAGAGTACGTTTCAACGCGATAAGTTTCAAGTAAAGCTTACTTGGCGATCTGAGCA
 -1920 CTTCGCTTAAAGAGAGCTAGGATATTCTTAGATATTCTCTAGCTACGTTTCAACTGAGCTGAGATCAATCAATCGAGCTTAA
 -1840 ACTAAACAAATTCTCAATATACCTCTAAATATCATCTCTACTTAAACTAGAGGAGATTCTGAGCTCTCAATTAATCACCAA
 -1760 GGTAAACTCTCCAAATATCCAAATGGGAGGTTTCAGCTTCCAAACTAACTAACTAGGAGGAGATTCTGAGCTCTCAATTAATCATATT
 -1680 CATAATCATAAATTGTTCTAACTGCGGCTGTCAGAGATTACAGTTTGGCGAGTCCGAGGATTGAGGCGTAAAGAT
 -1600 AGTTTCCCGAGCTCTTCTTCACTTGGAAATTGGTAAAGGCGCTAACTTATAGTACTTGTATCCATAAAAGTTTGG
 -1520 TCAAGCTAGGTTGAGBANTTAAACAGGAAATTACATCTTGGCGCTTGGCGTGTGGCGAGTTGTCCTCTCTGG
 -1440 CGAGTTTGGCAAAAGAAATTGGAAACCGAGCTTATACTAGTCCAAAGGGAAATTATGAAATTGGTATGGTGGCTTCTACAGCTT
 -1360 TAGAACTACATGTATAAAAGTATTGGGCGAAACCTTACCGATTTCGCGAGATTGGCGAGATTCAOAGMACTGCGCGAGAA
 -1280 TCTAAGCTGCTTTTCTTCACTTTCAGCTAACTATACGATATATGGCGATAAAATATGAGCATGAGCATGCGAGACC
 -1200 AATGGCAGGGTGAAAGTAAAGATTGAAATATAGTACTACATTTAACTATGATAAGTATAAGTATAAGTAACTTGTAAAATTGAA
 -1120 TTTTTTTTTGATGAAATTGATATACTCTAAAGATTCTCTGATGATGATGATGATGATGATGATGATGATGATGATGAAACCGATTAA
 -1040 TCGAATAATTGAGATATTAGATAAACTTACGGCGATCATATGAGCATATGAGCATATGAGCATGAGCATGAGCATGAGCATGAG
 -960 AAATTATGAAAGGGTAATGAAATATTTHAAAAAAATTATGTAAGGCGCTGTAATCTGAGTAACTGTAATCTGAGAAATTAATTTG
 -880 TTTGAACTAAAGGGAGTTGGCGAAAGTATAATTAACTTGTGATCTTGGTAACTGAGCATGAGCATGAGCATGAGCATGAG
 -800 GTGAGATCTTTCAGGGAAATTACCTTCTTGTGATGATGAGCATGAGCATGAGCATGAGCATGAGCATGAGCATGAGCATGAG
 -720 TTTGAAATTCTATATATATAGTCTCGAGTGGAGAAAGGAGCATGAGCATGAGCATGAGCATGAGCATGAGCATGAG
 -640 CATGGCTTAAAGCAGCAAAATTAAGAATGGTACTATACCTTAACTGAGCATGAGCTGGCGAGCTGAGCATGAGCATGAG
 -560 CATTTTATATTCAAAATATACCTTAACTTACTGAGCATGAGCATGAGCATGAGCATGAGCATGAGCATGAGCATGAG
 -480 CTAGGTAAGTACATTATAGTCAAAACAAATATCGAGTAAAGTAAATGAGCATGAGCATGAGCATGAGCATGAGCATGAG
 -400 TCTGAGATTTAAAGTCTAAAGCTACGGTTAGATTAGTATAATGAGAAATAAAGTAAATCATCTCTATATTGATGATGAT
 -320 AATTAGTATCATGGTAAGGTGTTTATCGTGGCGAGCATGAGCATGAGCATGAGCATGAGCATGAGCATGAG
 -240 TACTCCAAATCATAATAAAATTATCTTATATTATATTGCGAGGAACTTAACTGAGCATGAGCATGAGCATGAG
 -160 GCTTTTATTATATTATGAGCAATAATAATTAAACTGAGCATGAGCATGAGCATGAGCATGAGCATGAG
 -80 CCTGAGAAAGCCATTAAATGAGCATGAGCGCGACTCATTTCTTCTTCTACCTTCCCTTGGCTGAGTATCATGAG

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FIG. 1b

ATGGCTTCTTGTCTCTGCTTCAGCCTGGCGTTAGCTCATCCCTAGCGCTAGCTGAGCTCTCCATTTACCGAGAA 80
 M A S F V T R L S L A L S F I A L A L A G F S I Y Q N
 TACCGATACAGCCATGAAAAGGGCAGCTTAAGCTCACCCCCAANGGGCTGCTAGACAAAGAGCTCTAGAGTGTGACTGGCG 160
 T H T A M K G Q L K E T P K W L L D N T L E S S V A
 ACCTGCTCTCACTACGCTAGCCATCTCTCCGGCAAGCTTCCGGCAAGCTGCAATTCTCCGGCGTTAAGGAAGTG 240
 D V L S L R L G I S S S G K L S D E D Q I F S A V K E V
 GTGGAGCCGCCATTGATGCGAAACCCCGCTGGCTGCTCTCACTGCTCTCTCCGATGACTGCTTGTGT 320
 V D A A I D A E T R M Q A S L I R L F F H D C F V D
 ACGTACGCTAATTTGTACGATGATGTTTTTTTTTTTTTTCCGACTGCATTATATTAGGAAATTAAACAGA 400
 TTGAAATGTGTGTTATTAATGTATTATCTGAGGGTTGTGACGCAGGTCTTCTACTAAACGATAACCGTACTTTGCGCG 480
 G C D A G L L L N D T P T F T G
 AGAGACAGGCGCGCGCGCGCATATTAACTGAGCTGAGGGTTTGAGCTGATGAAACGTAAGAGAAATGTGATAACCA 560
 E Q T A G G N N N S V T G F E V I Q Q A K E N V I T K
 AATGTCGGTACATACAGTATCTGTGCCGAGATCTTATCCATTCTCCCGCTGATTCTTCCGGAGCTAACGGCGTACATT 640
 C P Y I Q V S C A D I L S I A A R D S F Q R
 ATTCTAAAGGTTGAAATTATAAGAACAGAACAAATAACAGAGACTAAAAAAAGATTATGCTGGTT 720
 CMAATGTTGAAATTGTTTATATTATGACTAGTATTATGCTTATATGCAAGCTCTAACAGTGGTTA 800
 F
 CTGGAGAAACGTAACACCGTGACTCTGGAAAGCTGCGATGAGAACGGCGAAACCTTACCGGGAGCTAACGGCGAACCTGGC 880
 T G E T Y T V T L G R L D A R T A N L T G A N T O L V
 GGAGCGAAACGAGGAATTGGCATGGCAAGTGGAAATTTCGGCGGAANGGGTTCTCCGMAACGGAGCTAGTGGCTGGTT 960
 G P N E E L A S Q V E K F A A K Q F S E T E L V A L E
 AGGTGTTACACACGGTTGGTTGGATGGAGATGTCGGCTTTATGGTTGGATGATCAATCCCGCGCGCGCTCCAGCC 1040
 G V H T V G F S R C P L L C V P I F I N P A R A S T
 TCGCAATGGAGCTGTCGGTGGTGGAGCTGGAGACACCCGGCTGGTGGGCTGGAGCCGACTCGGTTGACGGTGGGACCGAAAGT 1120
 L Q C N C P V S P D T G L V G L D P T P L T W D Q S
 TTTTACCGCGAGCTGCTAACGGGACAGGGCTCTGTTCTCCGMAACGGAGCTGATGAAATGGAAACACCCAGGGCGCG 1200
 F Y S D V A N G Q G L L F S D N E L W N S N T T S A A
 CGTTAGGGAGGTACAGGGACGGAGATGGAGCTGGCTTCTGCTGGCGATGGAGCTGGAGATGAGCTGGCTGCTGGCG 1280
 V R R Y R D E M D A F L A D F A A A M V K M S L L P
 CGTCCCGGGGGGGCTGGAGGCTGCGAAATCCGAGAGGGTTGGAGGGTGAATGCGAAACACAGTTGCAAGTGGCTGCTGGCG 1360
 P S P G V E L E I R E V C S E V N A N T V A S H .
 TTGGCGATGAGATGATGAACTGCTGTTGATTCTGTTGAAAGTTTACTCGGAGCTGTGAAGGAATTTCACCTTCTGTTGTTTC 1440
 TGAAATAAAAAGTTTTTTATGCTAACAAAACCTGTTATTACTGAAATAAATTATATAAATTGTTA 1512

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FIG. 2

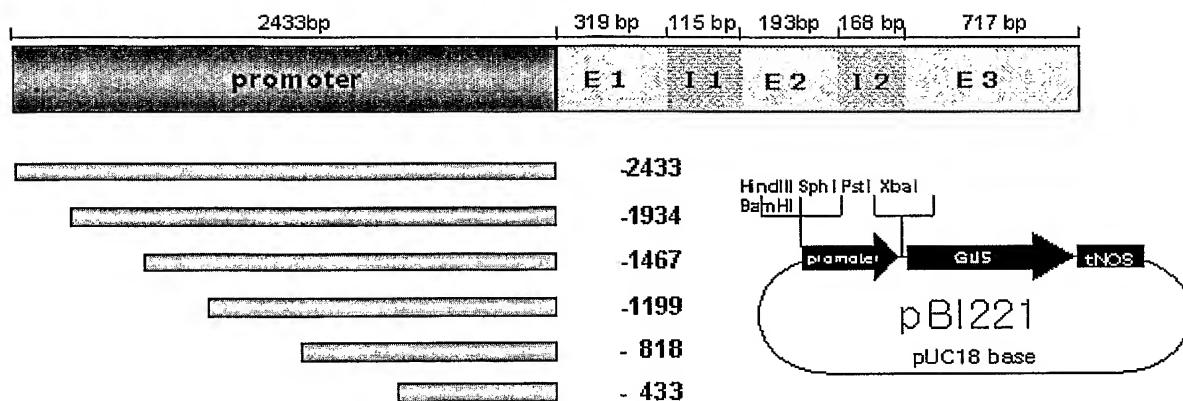


FIG. 3a

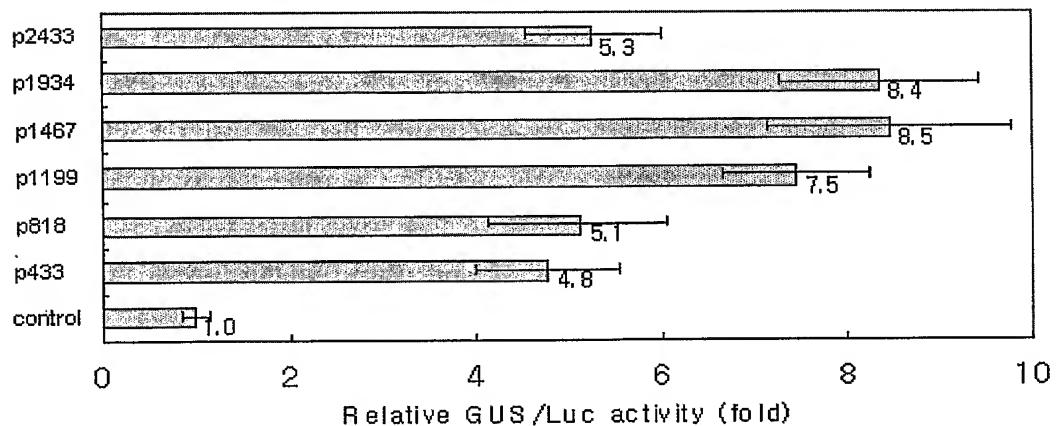


FIG. 3b

